ZERHOV, N.G.; SAMOHUKOVA, T.A.

Clinical aspects, diagnosis and treatment of angiocholecystitis in children. Pediatriia no.8:12-18 '62. (MIRA 15:10)

1. Iz Chetvertogo glavnogo upravleniya pri Ministerstve zdravookhraneniya SSSR.
(GALL BLADDER--DISEASES).
(BILE DUCTS--DISEASES)

SOV/137-58-9-19610

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 211 (USSR)

AUTHORS: Azarov, K.P., Zerin, V.G.

TITLE: On Titanium Undercoat Enamels for Steel (O titanovykh gruntovykh emalyakh dlya stali)

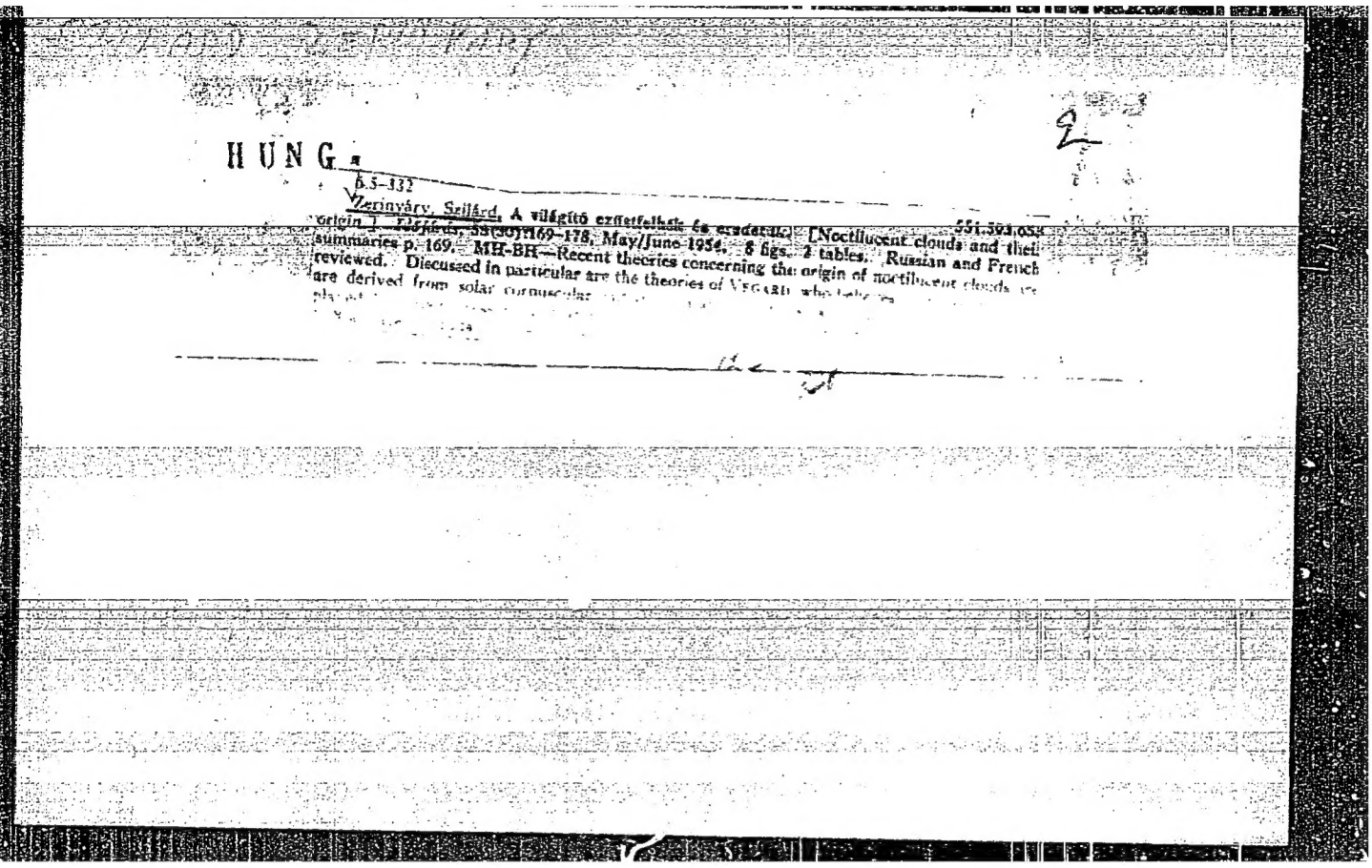
PERIODICAL: Tr. Novocherk. politekhn. in-ta, 1957, Nr 70/84, pp 159-165

ABSTRACT: Boronfree undercoat enamels (E) with various contents of Ti dioxide were tested to establish its effect on the fusibility of E and the occurrence of boiling and burns in the coatings. It is established that boiling and burns occur in the temperature range corresponding to the slowing down of the softening of E. Ti dioxide increases the fusibility of E Nr 35. The addition of 10% of Ti dioxide, which decreases the formation of boiling and burns of the boronfree base coating is the most effective.

N.L.

1. Enamel coatings--Materials 2. Titanium--Applications 3. Steel --Coatings

Card 1/1



HUNG.

6.5-332

Zerinváry, Szilárd. A világító ezüstfelhők és eredetük. [Noctilucent clouds and their origin.] Időjárás, 58(30)169-178, May/June 1954. 8 figs. 2 tables. Russian and French summaries p. 169. MH-BH—Recent theories concerning the origin of noctilucent clouds are reviewed. Discussed in particular are the theories of VEGARD who believes [illegible] are derived from solar corpuscular [illegible]

551.593.054

ZERIN, V. G.

15(2)

AUTHOR: Vargin, V.V. SOV/72-58-12-22/23

TITLE: Conference on Enamels and Metal Enameling (Soveshchaniye po emalyam i emalirovaniyu metallov)

PERIODICAL: Steklo i keramika, 1958, Nr 12, pp 47-48 (USSR)

ABSTRACT: The organizers of the conference were: Leningradskoye oblastnoye nauchno-tekhnicheskoye obshchestvo promyshlennosti stroitel'nykh materialov (Leningrad Oblast Scientific and Technical Society of the Industry of Building Materials); Leningradskiy sovnarkhoz (Leningrad Council of National Economy) and Leningradskiy tekhnologicheskiy institut imeni Lensoveta (LTI) (Leningrad Technological Institute imeni Lensovet (LTI). The program of the conference included: the most important problems of enamel synthesis, enameling of metal products and industrial apparatus. About 250 experts took part in the conference: representatives from works in the UkrSSR, Ural, Novosibirsk, Ulan-Ude, Kuznetsk, Dzerzhinsk, as well as functionaries of the universities, of the scientific research and design institutes in Leningrad, Moscow, Novocherkassk, Dnepropetrovsk, Sverdlovsk, Riga, Khar'kov, and other towns. More than 40 reports were given and discussed. Professor K.S. Yevstrop'yev, director of the LTI imeni Lensovet, in his opening speech stressed the great economic importance of the problem of enameling metal products and apparatus.

Card 1/6

Ye.I. Litvinova (LTI imeni Lensovet) reported on the influence of metal quality on the formation of "fish-scales" in enameling.
A.A. Appen, Institut khimii silikatov AN SSSR (Institute of Silicate Chemistry of the AS USSR), spoke on the present stage of the problems of calculating the properties of glass and enamels according to their composition.
N.V. Serebryakova (LTI imeni Lensovet) gave a survey of foreign literature on enamels and metal enameling.
M.N. Lifshits, Nauchno-issledovatel'skiy institut sanitarnoy tekhniki (Scientific Research Institute of Sanitary Engineering) reported on the enameling of products in the electric field of a corona discharge.
I.G. Petrunya, Luganskiy zavod imeni Artema (Luganskiy Works imeni Artema)

Card 2/6

spoke of new types of enameled steel products made in this factory.
Ye.P. Nikitin, Ural'skiy politekhnicheskiy institut (Ural'skiy Polytechnical Institute) reported on the character of interaction between metals and melted enamels.
N.S. Smirnov, Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (Ural'skiy Scientific Research Institute of Ferrous Metals) reported on the influence of the condition of the steel surface on the formation of the enamel coat.
A.I. Borisenko, Institute of Silicate Chemistry of the AS USSR, spoke on the new method of obtaining thin silicate coats of semi-colloid solutions.
Ye.N. Podkletnov spoke on a new enameling method with heating of the products by high-frequency currents.
P.A. Rozhdestvenskiy, Lys'venskiy metallurgicheskiy zavod (Lys'venskiy Metallurgic Works) gave informations on new enamels used by the factory.
T.I. Polyutash, Novosibirskiy metallurgicheskiy zavod (Novosibirskiy Metallurgic Works) reported on the dependence of the moistening angle and the enamel deliquescence on the correlation of boric and non-boric silts.

Card 3/6

P.G. Paukah, Latviyskiy gosudarstvennyy universitet (Latvian State University) reported on the investigation of fritted prime enamels for coating cast iron.
V.Ia. Lokahin, Scientific Research Institute of Sanitary Engineering, spoke on the influence of chemical composition on some properties of easily fusible powder enamels.
By the LTI imeni Lensovet the following reports were given:
L.L. Ogtorova on prime-less steel and aluminum enameling.
N.V. Serebryakova on non-plumbic silicate enamels for aluminum.
G.A. Kudryavtseva on slightly colored antimony enamels.
Yu.V. Mazurek on the investigation of a systematic series of oxides for obtaining blue and brown pigments.
The Novocherkassk Polytechnical Institute gave the following reports:
K.P. Azarov on new methods of enamel testing, and on the influence of iron oxide on the physico-chemical properties of the prime coat.
V.G. Zerin on the importance of the gas phase in the burning process of the prime coat.
Ye.N. Chistova on phosphate enamels.
Ye.I. Podroykina on prime-less coats.
Collaborators of the Dnepropetrovsk Chemical-Technological Institute reported:
G.I. Belyayev on the acid content and basicity of enamels, and on

the influence of the composition on some properties of prime enamels.
Yu.D. Barinov on the damping of enamels by antimony.
L.V. Furin, Leningradskiy khimiko-pishchevoy kombinat (Leningrad Chemical Foodstuff Kombinat) and S.I. Solyanik (NIIKhIMMASh) on the experiment of manufacturing enameled chemical apparatus of steel.
A.M. Semenova spoke on the causes of blistering of prime enamels at the Zaporozhskiy "metiznyy" zavod (Zaporozh'ye "Metiznyy" Works) and the methods of preventing this fault.
V.L. Sevchenko, Luganskiy Works imeni Artem, reported on the successful application of vibration grinding for crushing sand and non-boric enamel layers, as well as on the experiment of using white titanium enamels.
V.G. Zayev reported on the improvement in the burning technology of enamel coats in connection with the change-over of furnaces to gas, as well as on prospects of muffle-less burning.
V.A. Oborin reported on the work of the design office of the enamel manufacture at the Lys'venskiy Metallurgic Works.
D.I. Yegorov, representative of the State Office for Planned Economy on the planned production volume for the next years, as well as on the standard specifications of borax consumption provided.

The members of the conference passed resolutions for obtaining an improvement in the quality of enameled products, as well as for increasing their production and creating a new technology and new production methods.

S/081/60/000/016/009/012
A006/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 16, p. 371, # 66228

AUTHORS: Azarov, K.P., Zerin, V.G.

TITLE: Determining the Amount of Gases in Enamels

PERIODICAL: Tr. Novocherk. politekhn. in-ta, 1958, No. 47/61, pp. 229-231

TEXT: The determination of the amount of gases liberating during enamelling and heating up to 900°C, showed that the enamels are not the sources of gases causing bubbling and burnings of boron-free priming coatings.

O. Gerashchenko

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

AZAROV, K.P., dotsent, kand.tekhn.nauk; ZERIN, V.G., assistent

Determination of the amount of gases contained in enamels.
Trudy NPI 47:229-231 '58. (MIRA 13:5)

1. Novocherkasskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni Sergo Ordzhonikidze; kafedra tekhnologii keramiki, stekla i emaley.
(Enamel and enameling) (Gases)

SOV/137-58-8-17503

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 185 (USSR)

AUTHORS: Zerin, V.G., Azarov, K.P.

TITLE: Oxidation of Steel During the Baking of Boric and Boronfree Undercoatings (Okisleniye stali pri obzhige bornykh i bezbornykh gruntovykh pokrytiy)

PERIODICAL: Tr. Novocherk. politekhn. in-ta, 1957, Vol 63/77, pp 59-70

ABSTRACT: It is demonstrated that preliminary treatment (fire and mechanical degreasing, etching) has an effect on the oxidation of steel prior to enameling. A variation of the degree of oxidizability of steel within the 400-1200 mg/dm^2 limits has no notable effect on the quality of boronfree undercoating. In the baking in air, the oxidation of steel depends on the conditions of the baking and the type of coating. By contrast, the oxidation of steel in an inert atmosphere is insignificant, which points to a low oxidizing action of enamel melts, including the boronfree ones. The formation of burned spots is related to the duration of the stay of the undercoatings in a temperature range corresponding to their boiling. The series of stages in the formation of undercoats during heating is established. L.A. 1. Steel--Oxidation 2. Steel--Coatings 3. Enamel coatings--Applications

Card 1/1

ZERINVARY, SZ.

"Atmosphere of Planets", P. 44, (IDOJARAS, Vol. 58, No. 1, Jan./Feb. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

ZERINVARY, SZ.

"Discovery of Mercury's Atmosphere." p. 753 (TERMESZET ES TARSADALOM. Vol. 113, No. 12, Dec. 1954; Budapest, Hungary.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, April 1955, Uncl..

ZERINVARY, SZ.

How did asteroids come into existence? p. 688. Vol 114, no. 11, Nov. 1955. TERM-ESZET ES TARSADALOM. Budapest, Hungary.

So: Eastern European Accession. Vol 5, no. 4, April 1956

ZERINVARY, SZ.

"General meeting of the Huncarian Academy of Sciences", P. 179
(Idojaras, Vol. 58, No. 3, May/ June 1954, Budapest, Hungary.)

SO: Monthly list of East European Accessions (EEAL), LC, Vol.4,
No. 3, March 1955, UNCL.

ZERINVARY, Sz.

"Luminous Silver Clouds and Their Origin", P. 169, (IDOJARAS, Vol. 58, No. 3, May/June 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3, March 1955, Uncl.

ZERJAVIC, V.

"Organization of the commercial market for petroleum products in our country." p. 63. (NAFTA, Vol. 4, no. 2, Feb. 1953, Zagreb.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress August, 1953, Uncl.

L 08952-67 EWT(d)/EWT(m)/EWP(w)/EWP(f) IJP(c) WW/EM
ACC NR: AP6029980 SOURCE CODE: UR/0413/66/000/015/0192/0193

INVENTOR: Zhdanov, K. I.; Zerkalenkov, A. I. 48

ORG: none

TITLE: Stand for the aerodynamic balancing of aircraft propeller blades. Class 42, No. 183984 24

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 192-193

TOPIC TAGS: propeller blade, aircraft propeller, aircraft maintenance, test stand

ABSTRACT: An Author Certificate has been issued for a stand for the aerodynamic balancing of aircraft propeller blades, which contains a layout block mounted on

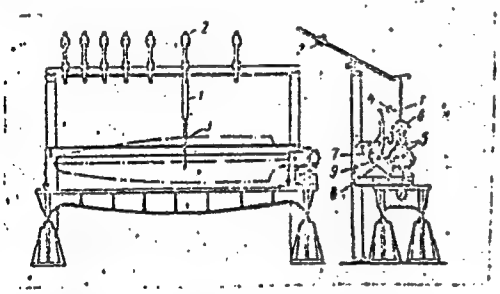


Fig. 1. Aircraft propeller-blade balancing stand

1 - Lock; 2 - lever with counterweight;
3 - rotatable support; 4 - indicator;
5 - levers with holders; 6 - stirrups;
7 - flat holder; 8 - support-gib levers;
9 - lever lock.

Card 1/2

UDC: 620,178.629.13.01/06

L 08952-67
ACC NR: AP6029980

hoists, a head with a gripping device, pedestals with crossbars attached to the block, and counterweighted levers attached to the upper crossbar. To improve quality and efficiency, the stand is equipped with a mechanism consisting of blade-angle locks attached to the other end of the counterweighted levers, rotatable supports attached to the lower crossbar, and indicators, one end of which interacts with the locks. Orig. art. has: 1 figure. [KT]

SUB CODE: 01/ SUBM DATE: 10Dec63/

Card 2/2 nst

ZERKALOV, V.I.

Characteristics of the internal structure of pyrite grains from Salair pyrite deposits. Zap. Vses. min. ob-va 93 no.3: 360-364 '64. (MIRA 18:3)

ZORKIK, MLADON

YUGOSLAVIA / Chemical Technology. Chemical Products and Their Application. Dyeing and Chemical Treatment of Textiles. H-34

Abs Jour : Ref Zhur - Khim., No 3, 1958, No 10,106

Author : Zorkik, Mladon
Inst : Not given
Title- : The Effect of Atmospheric Conditions upon the Results of Measurements in the Quality Control of Textiles.

Orig Pub : Tekstil, 1956, 5, No 1, 7-11

Abstract : The effect of the temperature and humidity of the air upon the results of measuring the mechanical strength and other characteristics of textiles are considered; graphs for correcting the results in accordance with the percent humidity of the air are given.

Card 1/1

TARASOV, A. (Rostov-na-Donu); ZERKIN, D. (Rostov-na-Donu); ROMANOV, A. (Rostov-na-Donu)

On economic laws. Vop.ekon. no.6:139-143 Je '60. (MIRA 13:6)

(Economics)

ZERKIN, L.T., inzh.; BATURIN, Yu.I., inzh.; SPERANSKIY, A.I., red.; KURILKO, T.P., tekhn. red.

[Inventions; the mining industry]Sbornik izobretenii; gornodobyvaiushchaia promyshlennost'. Moskva, TSentr.biuro tekhn. informatsii, 1961. 159 p. (MIRA 15:11)

1. Russia (1923- U.S.S.R.)Komitet po delam izobreteniy i otkrytiy.

(Mining engineering--Technological innovations)

27.2400

S/058/62/000/006/055/136
A061/A101

AUTHOR: Zerkl, R. V.

TITLE: General characteristics of radiobiological effects

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 24, abstract 6D178 (In collection: "Sovrem. probl. biofiziki. T. 2", Moscow, Izd-vo in. lit. 1961, 5 - 8)

TEXT: The mechanism of the action of high-energy radiation on biological substances is discussed and confronted with the action of chemical and physical agents and low-energy radiation. The radiation energy transfer to individual molecules of a substance of biological origin is not of a selective nature, and the respective events group into linear tracks. Attempts to explain the mechanism of the action of high-energy radiation on biological objects according to the theory of "direct" and "indirect" radiative action are discussed, as well as such related to the study of linear energy transfer as acting upon the dependence of the effect on the dose, to the effect of molecular oxygen on the sensitivity to radiation, and to the study of surviving power curves of different objects. [Abstracter's note: Complete translation] L. Serdyukova

Card 1/1

ZERKOVITZ, B.

"Answer to the Remarks on the Article 'Some Basic Problems of Designing Modern Autobuses", P. 184, (KOZLEKEDESTUDOMANYI SZEMLE, Vol. 4, No. 5, May 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

ZERKOVITZ, B.

"Some Fundamental Questions in the Planning of Modern Buses." p. 405,
(KOZLEKEDESTUDOMANYI SZEMLE, Vol. 3, no. 11/12, Nov./Dec. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

ZERKOVITZ, B.

HUNG.

91. The new model 55 and model 66 Ikarus buses — B. Zerkovitz. (Magyar Technika — Vol. 9, 1954, No. 5—6, pp. 310—312, 6 figs.)

The production of two new rear-engined models has been started in Hungary. The Ikarus model 66, for city traffic, has a seating capacity of 100 and a 6-cylinder, 125 HP engine. The engine of the model 55 intercurban bus is identical with that of model 66. The underframe and body constitute an integral unit. The principal features are excellent driving properties, utmost passenger comfort, a third hand-operated air brake, independent of the two conventional brakes, which ensures a deceleration of 2.2 m/sec² and can also be used as an emergency brake.

ZERKOVITZ, Bela, fomernok

The new Ganz-MAVAG motor series with undivided combustion chamber. Jarmu.mezo.gep. 10 no.9:341-349 S'63

1. Ganz-MAVAG.

ZERKOVITZ, Bela; PARKAI, Istvan

Remarks on the question of diesel traction. Jarmu mezo gep 6 no.12:366-375 '59.

ZERKOWITZ A.
(2092)

Szfov. Szent Istvan Kozkorhaz Idegosztalyarol. Kiserletes vizsgalatok glycerinaether koszitmenyekkel Experiments with glycerinether preparations Orvosi Hetilap 1948, 89/24 (380-382)

Myanesin -- a, B-dihydroxy-Y (methylphinoxy) propane — paralyses the motor activity of the spinal cord. It has a greater effect upon the lumbar and sacral segments than upon the thoracic and cervical segments. The respiratory muscles are paralysed only by much greater doses than are the abdominal and foot muscles. It also blocks the action of the sensory synapses in the spinal cord and hence alleviates pains of spinal origin (pachymeningitis, multiple sclerrosis, spastic conditions, tabes dorsalis). Pathological motor stimuli are depressed without influence on the voluntary movements. 10-20 ml. of a 10% solution intramuscularly produces no toxic signs (haemolysis, thrombosis). Isnekutz - Budapest

SO: Excerpta Medica, Vol. 11, No. 4, Sect. 11 - April 1949

ZERKOWITZ, A.

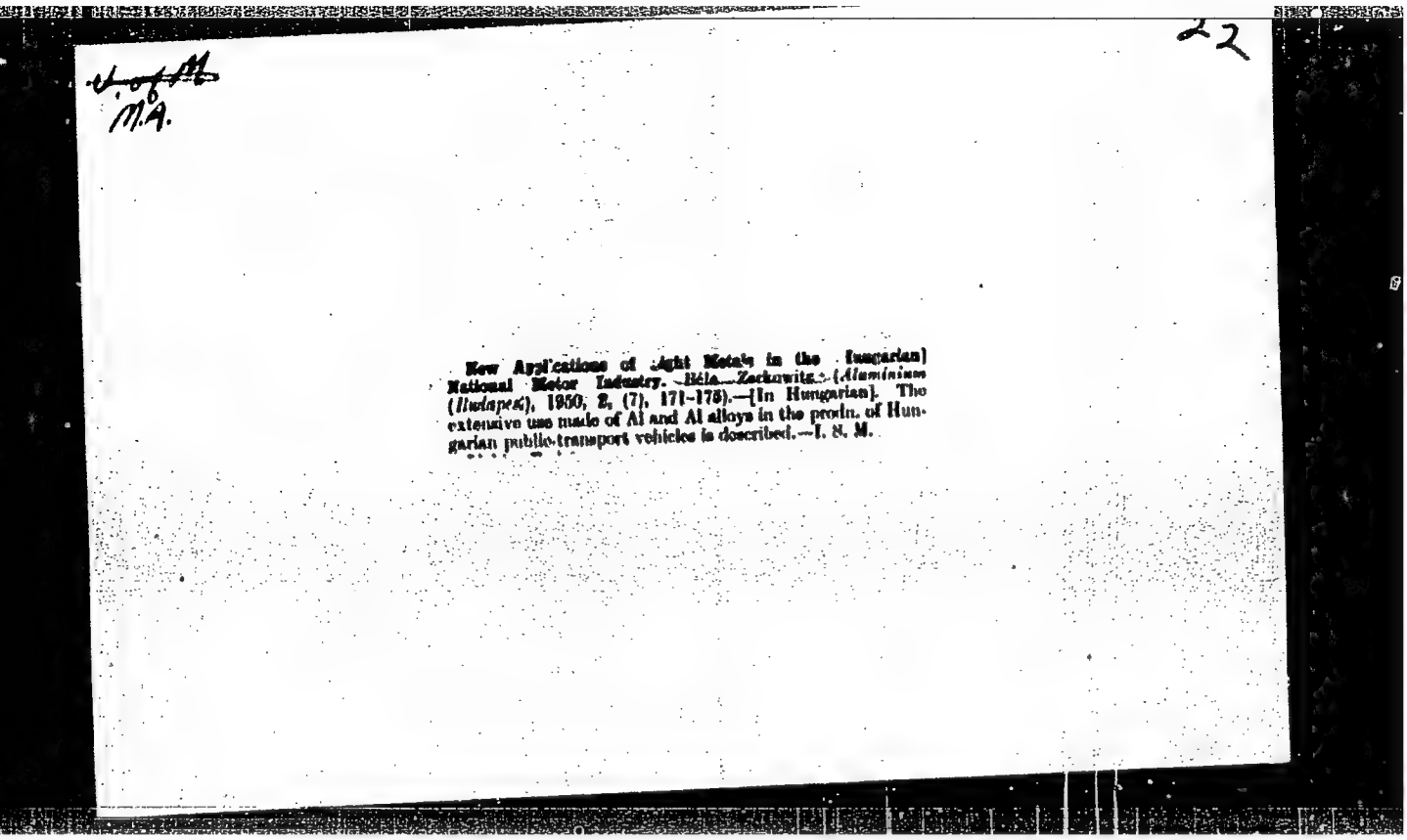
Prevention of headache following lumbar puncture. Orv. hetil. 91:27, 2 July 50. p. 848-9

1. Neurological Department (Head Physician--Dr. Tibor Lehoczky), Szent Istvan Metropolitan Hospital.

CLML 19, 5, Nov., 1950

ZERKOWITZ, B.

New Applications of Light Metals in the [Hungarian] National Motor Industry. Béla Zerkowitz. (*Alumínium* (*Budapest*), 1950, 2, (7), 171–175).—[In Hungarian]. The extensive use made of Al and Al alloys in the prodn. of Hungarian public-transport vehicles is described.—I. S. M.



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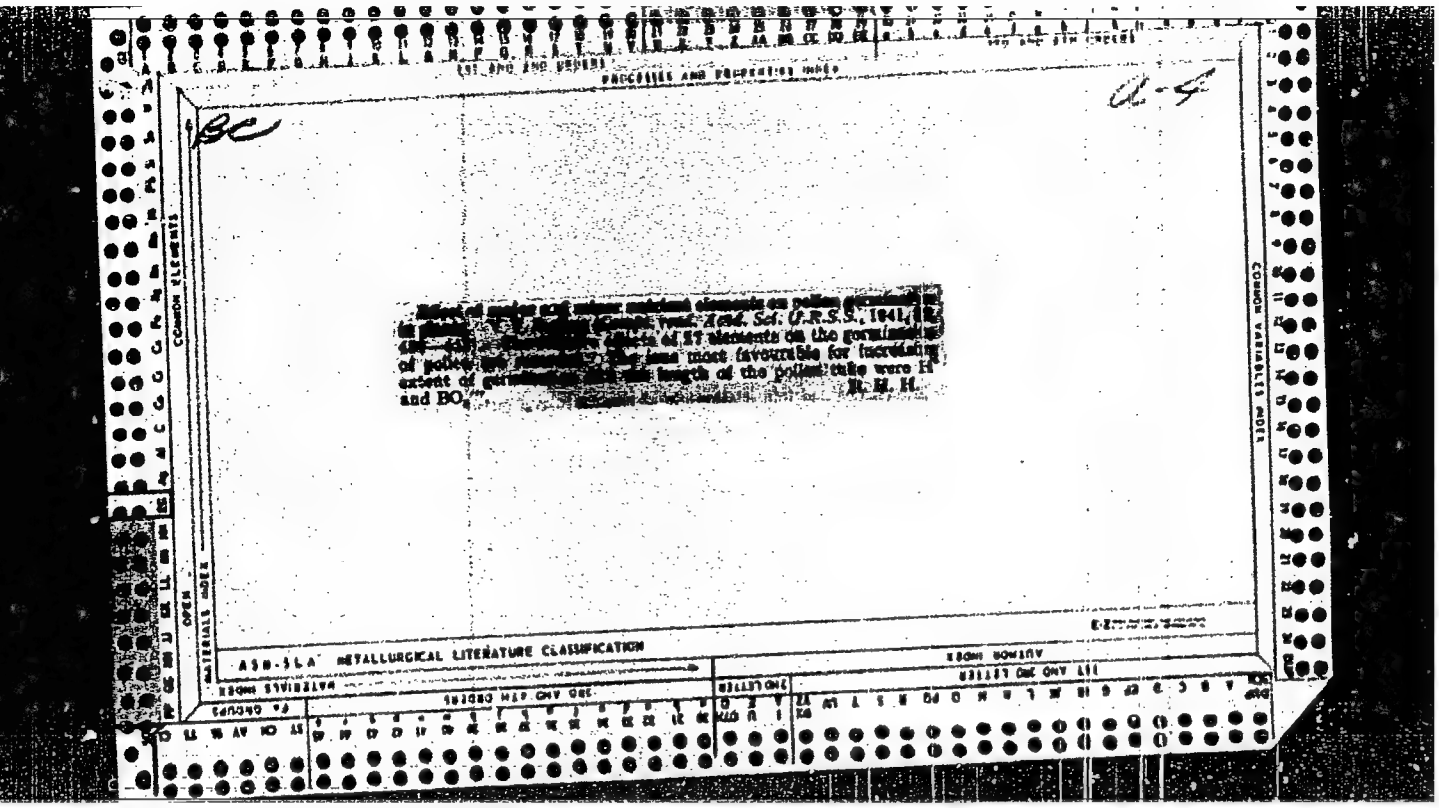
M.A.

New Applications of Light Metals in the (Hungarian) National Motor Industry. Béla Zeckwitz. (*Aluminium (Budapest)*, 1950, 2, (7), 171–178).—[In Hungarian]. The extensive use made of Al and Al alloys in the prodn. of Hungarian public-transport vehicles is described.—I. S. M.



ZERLING, V. V.

"Influence of Major and Minor Nutrient Elements on Pollen Germination in Plants," Dok.AN, 32, No.6, 1941. c1941-.

ZERMAKOV, A.F.

AUTHOR: Vitin, G.V. and Zermakov, A.F. 133-5-20/27

TITLE: On the production of bent profiles. (O proizvodstve gnutykh profiley)

PERIODICAL: "Stal'" (Steel), No.5, pp. 458-463 (U.S.S.R.)

ABSTRACT: Economic advantages of the production of bent profiles (shapes) are discussed. It is pointed out that in the USSR this branch of the industry is little developed. The Iron and Steel Ministry was informed by Gipromez of the requirements of various industries which was estimated to amount to 800 000 tons in 1960. The technology of production of bent profiles is outlined. The diagram of a roller bending mill is shown in Fig. 1. Profiles, the production of which is planned in the sixth Five Year Plan, are shown in Figs. 2 and 3 and their dimensions in Table 1. Main characteristics of roller bending mills are given in Table 2 and their output in Table 3. Cost of construction of building special mills on the Magnitogorsk Metallurgical Combine (Magnitogorskiy Metallurgicheskiy Kombinat) (350 000 tons/year) 56 million Roubles and on the Karagandisk Works (200 000 tons/year) 34.8 million Roubles. It is considered that the production of 800 000 tons/year of bent profiles will give an economy in the consumption of metal

Card 1/2

On the production of bent profiles. (Cont.) 133-5-20/27

of 200 000 tons/year and thus the cost of building special mills will be covered in 2.5 years. There are 3 tables and 3 figures.

ASSOCIATION: Gipromez

AVAILABLE:

Card 2/2

ZERNETSKIY, B.F., kand.geologo-mineralogicheskikh nauk

Giant nummulites of the Crimea. Priroda 49 no. 12:9 D '60.
(MIRA 13:12)

1. Institut geologicheskikh nauk AN USSR, Kiyev.
(Crimea--Nummulites)

KAPTARENKO-CHERNOUSOVA, Ol'ga Konstantinovna, prof., doktor geol.-min.nauk; GOLYAK, Lyudmila Markovna, inzh.; ZERNETSKIY, Boris Fedorovich, kand.geol.-miner.nauk; KRAYEVA, Yelizaveta Yakovlevna, kand. geol.-miner.nauk; LIPNIK, Yelena Semenovna, mladshiy nauchnyy sotrudnik; DIDKOVSKIY, V.Ya., starshiy nauchnyy sotrudnik, otv.red.; MEL'NIK, A.F., red.; MATVEYCHUK, A.A., tekhn.red.

[Atlas of characteristic foraminifers of the Jurassic, Cretaceous, and Paleogene in the platform part of the Ukraine] Atlas kharakternykh foraminifer iury, mela i paleogena platformennoi chasti Ukrainy. Kiev, Izd-vo Akad. nauk URSR, 1963. 200 p. (Akademiia nauk URSR. Instytut geologichnykh nauk. Trudy. Seriia stratigrafii i paleontologii, no.45). (MIRA 16:9)
(Ukraine—Foraminifera, Fossil)

DYADCHENKO, M.G. [Diadchenko, M.H.]; ZERNETSKIY, B.F. [Zernets'kyi, B.F.]; TKACHENKO, T.A. [Tkachenko, T.O.]

Mineralogy of liman sands near Stanislav, Kherson Province. Dop.AN URSR no.9:1263-1266 '60. (MIRA 13:10)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom AN USSR N.P.Semenenko.
(Kherson Province--Sand)

AYZENVERG, D.Ye. [Aizenverg, D.IE.]; BARANOVA, N.M.; VEKLICH, M.F.; GOLYAK, L.M. [Holiak, L.M.]; GORAK, S.V. [Horak, S.V.]; DIDKOVSKIY, V.Ya. [Didkovs'kyi, V.IA.]; ZELINSKAYA, V.G. [Zelins'ka, V.O.]; ZERNETSKIY, B.F. [Zernets'kyi, B.F.]; KAPTARENKO-CHERNOUSOVA, O.K.; KRAYEVA, Ye.Ya. [Kraieva, IE.IA.]; KRASHENINNIKOVA, O.V.; KUTSIBA, A.M.; LAPCHIK, T.Yu.; MAKARENKO, D.Ye.; MOLYAVKO, G.I. [Moliavko, H.I.]; MULIKA, A.M.; PASTERNAK, S.I.; PERMYAKOV, V.V.; ROMODANOVA, A.P.; ROTMAN, R.N.; SLAVIN, V.I.; SOKOLOVSKIY, I.L.; SOROCHAN, O.A.; SYABRYAY, V.T.; TKACHENKO, T.O.; SHUL'GA, P.L. [Shul'ha, P.L.]; doktor geol.-mineral.nauk; YAMNICHENKO, I.M. [IAmnychenko, I.M.]; BONDARCHUK, V.G. [Bondarchuk, V.H.], akademik, otv.red.

[Atlas of paleogeographical maps of the Ukrainian and Moldavian S.S.R. with lithofacies elements. Scale 1:2,500,000] Atlas paleogeograficnnykh kart Ukrains'koi i Moldavs'koi RSR z elementamy litofatsii. Masshtab 1:2,500,000. Sklaly D.IE. Aizenverg i dr. Za zahal'nym kerivnytstvom V.N.Bondarchuka. Kyiv, 1960. xvi p., 78 col.maps. (MIRA 13:12)

1. Akademiya nauk USSR, Kiyev. Institut geologicheskikh nauk. 2. Institut geologicheskikh nauk AN USSR (for all, except Bondarchuk, Pasternak, Slavin). 3. Instytut geologii koryanykh kopalyn AN URSR (for Pasternak). 4. Moskovskiy gosudarstvennyy universitet im. Lomonosova (for Slavin).
(Ukraine--Paleogeography--Maps) (Moldavia--Paleogeography--Maps)

ZERNETSKIY, B.F.; MAKARENKO, D.Ye.

Zone with Variamussium fallax Korob. in the Paleogene of the Crimean-Carpathian area. Dokl. AN SSSR 139 no.4:950-951 Ag '61. (MIRA 14:7)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom A.L. Yanshinym.
(Uzhok region--Paleontology, Stratigraphic)
(Tarkhankut, Cape--Paleontology, Stratigraphic)

ZERNETSKIY, B.F. [Zernets'kyi, B.F.]

Find of Nummulites orbignyi (Galeotti) in the Volga-Don interfluve. Geol. zhur. 20 no. 5:93-96 '60. (MIRA 14:1)
(Volga-Don region--Nummulites)

ZERNETSKIY, B.F. [Zernets'kyi, B.F.]

Limestones and dolomites. [Pratsi] Inst. geol. nauk AN URSR, Ser. geol. rod. kor. kop. no.1:71-85 '63.
(MIRA 18:6)

ZERNETSKIY, B.F. [Zernets'kyi, B.F.]

New finds of the genus Pseudosiderolites in the southern U.S.S.R. and their stratigraphic significance. Dop. AN URSR no.10:1363-1367 '61. (MIRA 14:11)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom AN USSR V.G. Bondarchukom [Bondarchuk, V.H.].
(Foraminifera, Fossil)
(Geology, Stratigraphic)

ZERNETSKIY, B.F.

Recent data on the lower Eocene sediments of the northern slope of the Black Sea Depression. Dop.AN URSR no.2:222-224 '61.
(MIRA 14:2)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom AN USSR V.G.Bondarchukom.
(Black Sea region—Geology, Stratigraphic)

ZERNETSKIY, B.F. [Zernets'kyi, B.F.]

New data on upper Eocene sediments in the Sinyukha Basin. Geol.zhur. 18 no.3:93-96 '58. (MIRA 11:11)
(Sinyukha Valley--Geology, Stratigraphic)

SOV/21-59-4-18/27

30(2)

AUTHOR: Zernetskiy, B.F.

TITLE: First Finds of Large Nummulites Distans Desh. in the Eocene Deposits of the Northern Black Sea Area

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 4, pp 420-423 (USSR)

ABSTRACT: The author presents a description of a large species Nummulites distans Desh. of the family of Nummulitidae Carpenter, which were found in kern samples of deep boring at Peresyp' (Odessa oblast, at the villages of Koblevo, Vladimirovka, Varvarovka (Nikolayev oblast) and at Kakhovka (Kherson oblast). The species were found in limestone, sandy limestone and lime sandstone deposits, at depths from 485 to 593 m. The deep boring has produced a number of other species of Nummulites and molluscs, which confirms the

Card 1/2

SOV/21-59-4-18/27

First Finds of Large Nummulites Distans Desh. in the Eocene Deposits of the Northern Black Sea Area

Middle Eocene geological age of those deposits. There are 3 photos, 1 map and 3 references, 1 of which is Soviet, 1 French and 1 Hungarian.

ASSOCIATION: Institut geologicheskikh nauk AN UkrSSR (Institute of Geological Sciences of the AS UkrSSR)

PRESENTED: By V.G. Bondarchuk, Member of the AS UkrSSR

SUBMITTED: January 7, 1959

Card 2/2

26-58-4-34/45

AUTHOR: Zernetskiy, B.F., Candidate of Geological and Mineralogical Sciences

TITLE: A Puzzling Imprint (Zagadochnyy otpechatok)

PERIODICAL: Priroda, 1958, Nr 4, p 113 (USSR)

ABSTRACT: The author spent the summer of 1955 in the Crimea where he discovered in a ravine a fragment of platy sandstone which showed a puzzling imprint that looked like a bird's footprint (Figure 1). According to ornithologist M.A. Voinstvenskiy's opinion the bird must have been a corn-crake. As the imprint dates back to the Lower Cretaceous period, it is obvious that small birds of this kind existed at that time, a fact that so far had not been proved. There is 1 photo.

ASSOCIATION: Institut geologii Akademii nauk USSR (Kiyev)
(Institute of Geology of the Ukr. SSR Academy of Sciences, Kiyev)

AVAILABLE: Library of Congress
Card 1/1
1. Paleontology-USSR 2. Fossils-USSR 3. Geology-USSR

ZERNETSKIY, B.F. [Zernets'kyi, B.F.]

Recent data on the distribution of middle Eocene nummulites in the Black Sea Depression. Dop.AN URSR no.7:938-940 '61.

(MIRA 14:8)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom AN USSR V.G.Bondarchukom [Bondarchuk, V.H.].
(Black Sea region--Nummulites)

ZERNETSKIY, Boris Fedorovich [Zernets'kyi, B.F.]; DIDKOVSKIY, V.Ya. [Didkovs'kyi, V.IA.], kand.geol.-mineral.nauk, otv.red.; MEL'NIK, G.F. [Mel'nyk, H.F.], red.; LIBERMAN, T.R., tekhn.red.

[Nummulites and orbitoids of Paleogene sediments in the Black Sea Lowland] Numulity ta orbitoidy paleongenovykh vidkladiv Prychornomors'koi zapadyny. Kyiv, Vyd-vo Akad.nauk URSR, 1962. 72 p. 18 plates. (Akademiia nauk URSR, Kiev Instytut geologichnykh nauk. Trudy, Seriia stratigrafii i paleontologii, no.42).
(MIRA 15:8)

(Black Sea Lowland--Foriminifera, Fossil)

SYABRYAY, V.T. [Siabriai, V.T.]; ZERNETSKIY, B.F. [Zernets'kyi, B.F.]

Fifth All-Union Conference of the Commission on the study of Geology in the U.S.S.R. Geol.zhur. 21 no.3:113 '61.

(MIRA 14:7)

1. Institut geologicheskikh nauk AN USSR.
(Geology—Congresses)

ZERNETSKIY, B.F. [Zernets'kyi, B.F.]

Second All-Union Conference of Specialists on Nummulites. Geol.zhur. 21 no.3:113-115 '61. (MIRA 14:7)

1. Institut geologicheskikh nauk
(Nummulites)

ZERNEYEV, S.M.

Answers to questions of the Voronezh branch of "Giprokauchuk." Prom. energ. 14 no.3:63 Mr '59. (MIRA 12:4)
(Electric cables)

JANECEK, Antonin, prof., MVDr.; ZERNICEK, Dobroslav

Reaction of serum with the picric acid. 1. Methods, and normal quantum in healthy people and animals. Veterinarni medicina 7 no.2:117-124 '62.

1. Katedra lekarske chemie, fyziky a toxologie veterinarni fakulty, Vysoka skola zemedelska, Brno.

ZERNICEK, D.; LOJKASKOVA, B.

Qualitative changes in the serum albumin in liver and other diseases. Cas. lek. cesk. 104 no.6:25-38 12 F'65.

1. Vyzkumny ustav veterinarniho lekarstvi v Brne, oddeleni dietetiky a zoohygieny (vedouci: doc. inz. MVDr. J. Vlcek) a Katedra lekarske chemie, fyziky a toxikologie veterinatni fakulty VSZ v Brne (vedouci: prof. MVDr. A. Janecek).

SANTIBANEZ, G.; TARNECKI, R.; ZERNICKI, B.

Correlation between the effect of hypothalamic stimulation on EEG and on pupil dilatation in the preparation cerveau isole and pretrigeminal in cats. Acta physiol.polon.11 no.5/6:881-882 '60.

1. Z Zakladu Neurofizjologii Inst.Biol.Dosw. im. M.Nenckiego Kierownik: prof.dr J.Konorski.
(HYPOTHALAMUS physiol)
(PUPIL physiol)
(BRAIN physiol)

SANTIBANEZ, G.; TARNECKI, R.; ZERNICKI, B.; KONORSKI, J.

Cortical representation of the chorda tympani in dogs. Acta physiol. polon. 11 no.5/6:882-88) '60.

1. Z Zakladu Neurofizjologii Inst.Biol.Dosw. im. M.Nenckiego Kierownik: prof.dr J.Konorski.
(CEREBRAL CORTEX anat & histol)
(PONS anat & histol)

ZERNICKI, B.; SANTIBANEZ, G.

Effect of bilateral extirpation of the gyrus compositus anterior on conditioned and unconditioned food and acid reflexes in dogs. Acta physiol.polon. 11 no.5/6:934-935 '60.

1. Z Zakladu Neurofizjologii Inst.Biol.Dosw. im. M.Nenckiego Kierownik: prof.dr J.Konorski.
(REFLEX)
(REFLEX CONDITIONED)
(BRAIN physiol)

ZERNICKI, B.; SANTIBANEZ, H.

The effects of ablations of "alimentary area" of the cerebral cortex on salivary conditioned and unconditioned reflexes in dogs. Acta Biol Exp 21:163-176 '61.

1. Department of Neurophysiology Nencki Institute of Experimental Biology, Warsaw.

(CEREBRAL CORTEX physiol) (REFLEX CONDITIONED (REFLEX)

ZERNICKI, B.

The effect of prefrontal lobectomy on water instrumental conditioned reflexes in dogs. Acta Biol Exp 21:157-162 '61.

1. Department of Neurophysiology, Nenoki Institute of Experimental Biology in Warsaw.
(FRONTAL LOBE physiol) (REFLEX CONDITIONED)

ZERNICKI, B.; DREHER, B.

Visual fixation reflex in cats with midpontine pretrigeminal transections. Bull. acad. Pol. sci. [Biol.] 13 no.4:305-307 '65.

1. Submitted February 2, 1965.

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The effect of prefrontal lobectomy on water instrumental conditioned reflexes in dogs. Acta biol exper 21:157-162 '61.

1. Department of Neurophysiology, Nencki Institute of Experimental Biology, Warsaw.

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1. Department of Neurophysiology, Nencki Institute of Experimental Biology, Warsaw.

(DOGS) (BRAIN)

ZERNICKI, B.

Extinction of acid conditioned reflexes. Acta physiol. polon. 8 no.3: 591-593 1957.

1. Z Zakladu Neurofizjologii Instytutu im. M. Nenckiego w Warszawie Kierownik: prof. dr J. Konorski.
(REFLEX, CONDITIONED,
extinction of acid reflexes (Pol))

ZERNICKI, B.

Effect of the extirpation of the frontal regions of the cerebral hemispheres on conditioned water reflexes of the 2d type. Acta physiol.polon.11 no.5/6:933-934 '60.

1. Z Zakladu Neurofizjologii Inst. Biol. Dosw. im. M. Nenckiego Kierownik: prof.dr J. Konorski.
(FRONTAL LOBE physiol)
(REFLEX CONDITIONED)

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1. Department of Neurophysiology, The Nencki Institute of Experimental Biology and Warsaw Laboratory of the Department of Neuropathology, Polish Academy of Sciences.

(REFLEX, CONDITIONED) (CONDITIONED LEARNING)
(PONS) (BRAIN) (PHYSIOLOGY)

ZERNICKI, B.; DREHER, B.

Studies on the visual fixation reflex. Pt.1. Acta biol. exp. (Warsz.) 25 no.3:187-205 '65.

1. Department of Neurophysiology, The Nencki Institute of Experimental Biology, Warsaw 22, Poland.

DREHER, B.; MARCHIAFAVA, P.L.; ZERNICKI, B.

Studies on the visual fixation reflex. Pt.2. Acta biol. exp. (Warsz.) 25 no.3:207-217 '65.

1. Department of Neurophysiology, The Nencki Institute of Experimental Biology, Warsaw 22, Poland.

SERNICKI, Bogusław

Isolated cerebrum of midpontine preteminal preparation; a review. Acta biol. exp. (Warsz.) 24 no.2:247-264, '64.

1. Department of Neurophysiology, The Nencki Institute of Experimental Biology, Warsaw 22, Poland.

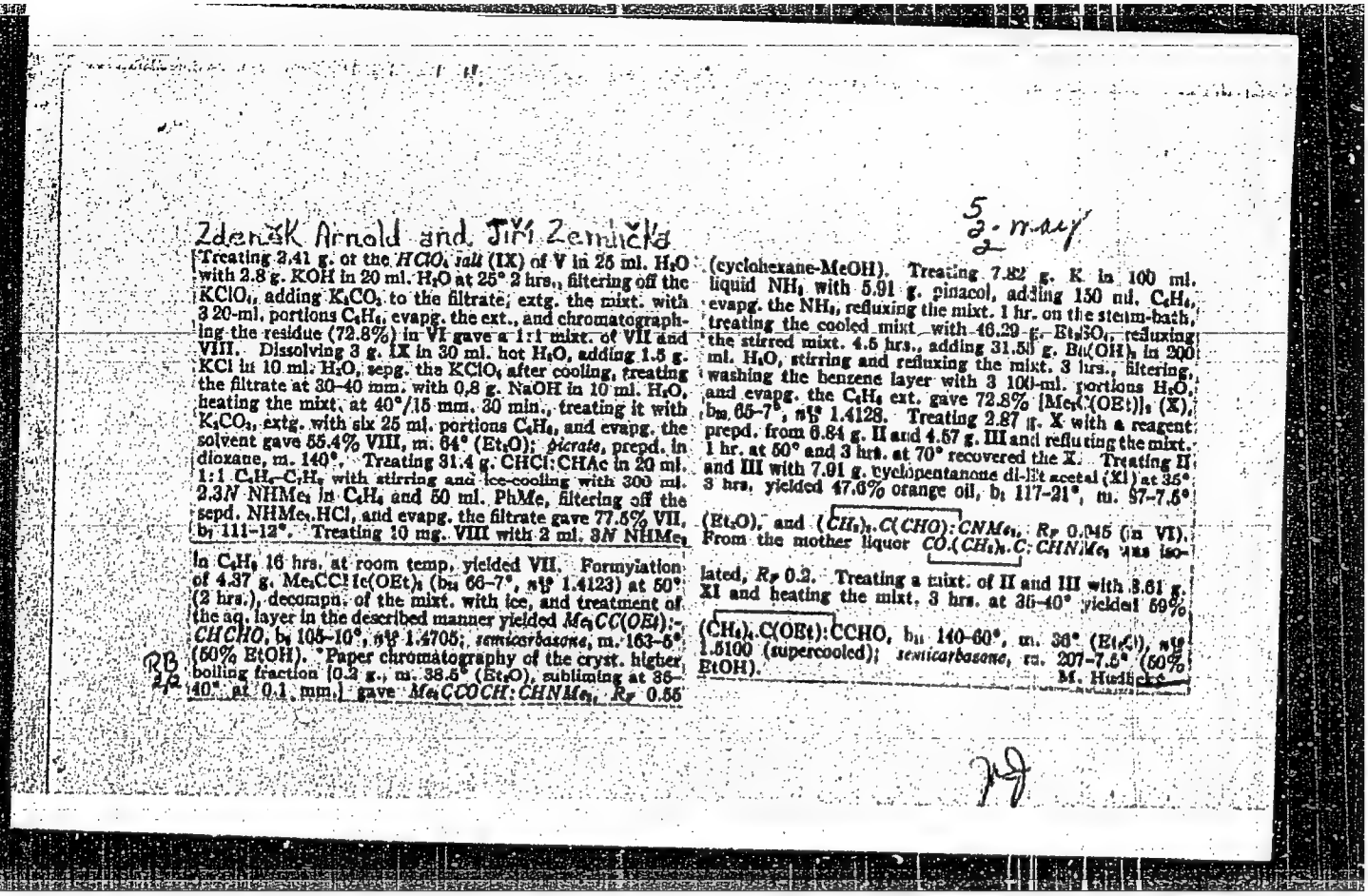
ZHMNITSKIY, I. F.

29314 Terapiya raka vek. Voprosy onkologii i rentgenologii, No 1-2, 1948, s. 129-40

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

Distr 4E3d/4E2c(1)

Synthetic reactions of dimethylformamide. II. Reactions of ketals with dimethylformamide and phosgene. Zdeněk Arnold and Jiří Zemlička (Čsl. akad. věd, Prague) *Chem. listy* 51, 458-67(1952); cf. *C.A.* 51, 13761c.—Reactions of ketals with $HCONMe_2$ (I) and $COCl_2$ (II) in molar ratio 1:5:2.5 gave various derivs. of β-dicarbonyl compds. II (12.37 g.) in $(CH_2Cl)_2$ (III) was dropped into an ice-cooled stirred soln. of 18.23 g. I in III over 30 min. (the total amt. of III being 160 ml.), to the stirred suspension added under ice-cooling 9.71 g. $PhCMe(OEt)_2$ during 5 min., the mixt. heated 3 hrs. at 40°, cooled, decompd. with 20.5 g. anhyd. NaOAc and 100 g. ice, the aq. layer extd. twice with 20 ml. III and the org. layer three times with 50 ml. H_2O, and the org. ext. distd. giving 5.8% $PhCCl:CHCHO$, $b_{0.1}$ 55–70°. The aq. layer was treated with stirring with K_2CO_3, extd. 5 times with 50 ml. 1:1 C_6H_6-EtOH, the volatile components distd. *in vacuo*, the residue shaken with 100 ml. H_2O and 8 30-ml. portions C_6H_6, and the benzene ext. evapd. giving 25.7% $PhC(NMe_2):CHCHO$, $b_{0.1}$ 180°, m. 61° (Et_2O). The aq. layer filtered with C and evapd. *in vacuo* gave a solid residue which was dissolved in 150 ml. III, the soln. filtered, evapd. to 50 ml., and treated with 100 ml. Et_2O to give 44.6% hygroscopic amorphous $[PhC(NMe_2):CHCH:NMe_2]Cl$, m. 205–7° (decompn.); *picrate*, m. 89–90° (50% EtOH). Similar treatment of 10.42 g. $PhCBr(OEt)_2$ yielded 92.1% $PhC(OEt):CMeCHO$ (IV), $b_{0.15}$ 86–94°. Heating 1.43 g. IV with 20 ml. 4*N* $NHMe_2$ in C_6H_6 in a sealed tube 1.5 hrs., distg. the C_6H_6, washing the residual oil several times with petr. ether, extg. the petr. ether soln. with 7 20-ml. portions of H_2O, evapg. the aq. layer *in vacuo* to 30 ml., extg. the soln. with 3 30-ml. portions of C_6H_6, and distg. the ext. gave 53.4% $PhC(NMe_2):CMeCHO$, $b_{0.1}$ 110–25°, m. 80–1° (Et_2O). The formylation of iso-$PrPhC(OEt)_2$ (V) (b_{10} 115°, n_D^{25} 1.4313) in the described manner failed. Treating 50 g. mossy Zn (activated with a grain of iodine) in 15 ml. C_6H_6 in 30 min. with 22.71 g. $PhCOCMe_2Br$ and 20 ml. $CH(OEt)_3$ in 35 ml. C_6H_6 on the steam bath, adding 50 g. Zn dust, heating the mixt. 3 hrs. on the steam-bath, decanting the mixt. to a new portion of Zn activated with iodine, refluxing the mixt. 4 hrs., adding 50 g. Zn dust, refluxing the mixt. 3 hrs., treating the cooled mixt. with 50 g. ice and 100 ml. Et_2O, adding 50 g. AcOH, sepg. the ether layer, washing it with $NaHCO_3$ and H_2O, and distg. gave 15.9 g. crude and 14.7% pure $PhCOCMe_2CH(OEt)_2$ (Va), b_{11} 148°, n_D^{25} 1.4940. Adding 0.5 g. Va to 20 ml. stirred and cooled 80% H_2SO_4 during 30 min., decompg. the mixt. with ice, and filtering off the cryst. product with suction gave 100% $PhCOCMe_2CHO$, m. 158–8.5° (75% EtOH), subliming at 145°/0.1 mm. Heating 3 g. V with a trace of *p*-$MeC_6H_4SO_3H$ with a free flame and distn. yielded $PhC(OEt):CMe_2$, b_8 98–100°, n_D^{25} 1.5169. Formylation of 6.61 g. $Me_2C(OEt)_2$ by heating the mixt. 3 hrs. at 40°, decompg. the mixt. with ice, treating the aq. layer with K_2CO_3, extg. it with 4 50-ml. portions of 1:1 C_6H_6-EtOH, evapg. the solvents *in vacuo*, dissolving the cryst. residue in 100 ml. H_2O, extg. the soln. with $CHCl_3$, filtering the aq. layer with C, and evapg. the filtrate *in vacuo* gave 56% $[Me_2C(NMe_2):CHCH:NMe_2]Cl$ (Vb), m. 193–7° (C_6H_6N); *picrate*, m. 100–1°. Combined C_6H_6 and $CHCl_3$ exts. evapd. and chromatographed on paper in $CH_2(OEt)_2$-H_2O (VI) gave a mixt. of $AcCH:CHNMe_2$ (VII) (R_f 0.21) and $MeC(NMe_2):CHCHO$ (VIII) (R_f 0.05).



Zdeněk Arnold and Jiří Zemlička

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Treating 2.41 g. of the *HClO₄ salt* (IX) of V in 25 ml. H_2O with 2.8 g. KOH in 20 ml. H_2O at 25° 2 hrs., filtering off the $KClO_4$, adding K_2CO_3 to the filtrate, extg. the mixt. with 3 20-ml. portions C_6H_6, evapg. the ext., and chromatographing the residue (72.8%) in VI gave a 1:1 mixt. of VII and VIII. Dissolving 3 g. IX in 30 ml. hot H_2O, adding 1.5 g. KCl in 10 ml. H_2O, sepg. the $KClO_4$ after cooling, treating the filtrate at 30–40 mm. with 0.8 g. NaOH in 10 ml. H_2O, heating the mixt. at 40°/15 mm. 30 min., treating it with K_2CO_3, extg. with six 25 ml. portions C_6H_6, and evapg. the solvent gave 55.4% VIII, m. 64° (Et_2O); *picrate*, prepd. in dioxane, m. 140°. Treating 31.4 g. $CHCl_3$:CHAc in 20 ml. 1:1 C_6H_6–C_7H_8 with stirring and ice-cooling with 300 ml. 2.3*N* $NHMe_2$ in C_6H_6 and 50 ml. PhMe, filtering off the sepd. $NHMe_2$.HCl, and evapg. the filtrate gave 77.5% VII, b_1 111–12°. Treating 10 mg. VIII with 2 ml. 3*N* $NHMe_2$ in C_6H_6 16 hrs. at room temp. yielded VII. Formylation of 4.37 g. $Me_2CCl.C(OEt)_3$ (b_{11} 66–7°, n_D^{25} 1.4123) at 50° (2 hrs.), decompn. of the mixt. with ice, and treatment of the aq. layer in the described manner yielded $Me_2CC(OEt)$:$CHCHO$, b_1 105–10°, n_D^{25} 1.4705; *semicarbazone*, m. 163–5° (50% EtOH). Paper chromatography of the cryst. higher boiling fraction [0.2 g., m. 38.5° (Et_2O), subliming at 35–40° at 0.1 mm.] gave Me_2CCOCH:$CHNMe_2$, R_F 0.55 (cyclohexane-MeOH). Treating 7.82 g. K in 100 ml. liquid NH_3 with 5.91 g. pinacol, adding 150 ml. C_6H_6, evapg. the NH_3, refluxing the mixt. 1 hr. on the steam-bath, treating the cooled mixt. with 46.29 g. Et_3SO_4, refluxing the stirred mixt. 4.5 hrs., adding 31.50 g. $Ba(OH)_2$ in 200 ml. H_2O, stirring and refluxing the mixt. 3 hrs., filtering, washing the benzene layer with 3 100-ml. portions H_2O, and evapg. the C_6H_6 ext. gave 72.8% $[Me_2C(OEt)]_2$ (X), b_{20} 65–7°, n_D^{25} 1.4128. Treating 2.87 g. X with a reagent prepd. from 6.84 g. II and 4.57 g. III and refluxing the mixt. 1 hr. at 50° and 3 hrs. at 70° recovered the X. Treating II and III with 7.91 g. cyclopentanone di-Et acetal (XI) at 35° 3 hrs. yielded 47.6% orange oil, b_1 117–21°, m. 87–7.5° (Et_2O), and $(CH_2)_4C(CHO)$:$CNMe_2$, R_F 0.045 (in VI). From the mother liquor $CO(CH_2)_4C$:$CHNMe_2$ was isolated, R_F 0.2. Treating a mixt. of II and III with 3.61 g. XI and heating the mixt. 3 hrs. at 35–40° yielded 59% $(CH_2)_4C(OEt)$:$CCHO$, b_{11} 140–60°, m. 36° (Et_2O), n_D^{25} 1.5100 (supercooled); *semicarbazone*, m. 207–7.5° (50% EtOH).

M. Hudlický

RB 2/2

KHODORKOVSKIY, I.Ya., inzh.; YUDKIN, V.F., inzh.; KONEV, L.L., inzh.; ZERNIN, F.I., otv. za vypusk; SEMCHENKO, G.V., red.izd-va; SUKMANOVA, K.G., tekhn.red.

[Recommendations for the improvement of harvesting machinery] Rekomendatsii po usovershenstvovaniiu tekhniki, ispol'zuemoi na uborke urozhaia. Perm', Permskoe knizhnoe izd-vo, 1960. 82 p. (MIRA 14:1)

1. Perm (Province). Upravleniye sel'skogo khozyaystva. (Harvesting machinery)

ZERNITSKAYA, E. I.

Readers' conference on A. V. Teriushnov's book "Control of breakage in cotton manufacture." Tekst. prom. 23 no.3:93-94 Mr '63. (MIRA 16:4)

1. Starshiy bibliograf TSentral'noy nauchno-tekhnicheskoy biblioteki legkoy promyshlennosti.

(Cotton manufacture)
(Teriushnov, A. V.)

ZERNITSKAYA, E.I.; KALPOVSKIY, A.P.; MIRONOV, I.A.

Reviews and bibliography. Tekst. prom. 25 no.3:87-92 Mr '65.

1. Glavnyy bibliotekar' TSentral'noy nauchno-tekhnicheskoy biblioteki legkoy promyshlennosti (for Zernitskaya).
2. Nachal'nik otdela sherstyanoy, l'nyanoy i pen'kodzhutovoy promyshlennosti Upravleniya legkoy promyshlennosti Soveta Narodnogo khozyaystva SSSR (for Kalpovskiy).

BALYASOV, P.D., dotsent; EFROS, B.Ye., dotsent; ZERNITSKAYA, E.I.

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ZERNITSKIY, V., agronom-entomolog

The tussock moth Acronycta tridens. Zashch. rast. ot vred. i bol. 10 no.1:48 '65. (MIRA 18:3)

GREKHOV, N.T., inzh.; PISTSOV, Yu.N., inzh.; ZERNITSKIY, V.G., inzh.; KARTOKHIN, I.I.

Raising heat loads during the combustion of low-grade fuels. Obog. i brik.ugl. no.28:58-68 '62. (MIRA 17:4)

ZERNOTREST. A. Metlev.
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Cyr.4 HD252

ZHRNOV, A.

Collective farms in Yakutia expand housing construction. Sel'. stroi. 12 no.7:12 Jl '57. (MLRA 10:8)

1. Starshiy inzhener upravleniya po stroitel'stvu v kolkhozakh pri Sovete Ministrov Yakutskoy ASSR.
(Yakutia--Housing, Rural)

ZERNOV, A. A.

Schetchik dlya tochnogo umnozheniya chisel s neograni chennym kolichest vom tsifr na odnoznachnyye mnozhiteli. M. (1932)

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edited b y Kurosh, A.G.
Markushevich, A.I.
Rashevskiy, P.K.
Moscow-Lenigrad, 1948

ZERNOV, A.G.

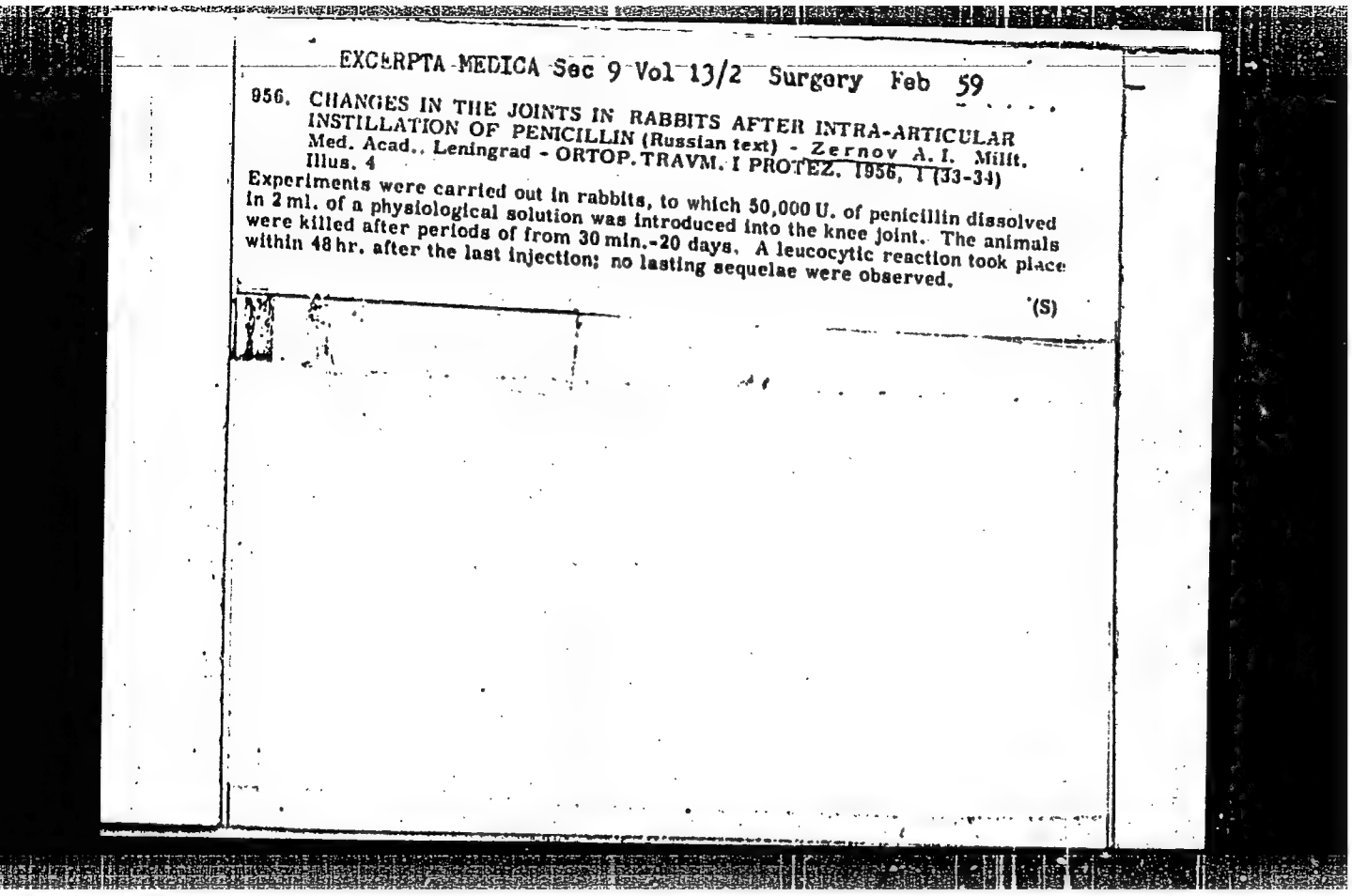
RESHETOV, K.A., inzhener-kapitan; ZHUKOV, Ya.S., inzhener-mayor; GLAZ-KOV, G.P., inzhener-kapitan; ZERNOV, A.G., inzhener; SHTEYMAN, A.B., podpolkovnik, redaktor; YEREMEYEVA, Ye.N., tekhnicheskiy redaktor.

[The PK-30, R-20-M and R-60-M medium field telephone switchboards] Polevye telefonnye kommutatory sredney emkosti PK-30, R-20-M, P-60-M. Moskva, Voen. izd-vo Ministerstva Vooruzhennykh Sil SSSR, 1946. 142 p. (MIRA 8:2)

1. Russia (1923- U.S.S.R.) Armiya. Upravleniye boyevoy podgotovki voysk svyazi sukhoputnykh voysk.
(Telephone switchboards)

ZERNOV, A.I.; KARASEVA, L.G.

Face milling lathe. Mats. i izobr.predl. v stroi. no.71:12-13 '53. (Lathes) (MLRA 9:6)



EXCERPTA MEDICA Sec 9 Vol 13/2 Surgery Feb 59

956. CHANGES IN THE JOINTS IN RABBITS AFTER INTRA-ARTICULAR INSTILLATION OF PENICILLIN (Russian text) - Zernov A. I. Milit. Med. Acad., Leningrad - ORTOP. TRAVM. I PROTEZ. 1956, 1 (33-34) Illus. 4

Experiments were carried out in rabbits, to which 50,000 U. of penicillin dissolved in 2 ml. of a physiological solution was introduced into the knee joint. The animals were killed after periods of from 30 min.-20 days. A leucocytic reaction took place within 48 hr. after the last injection; no lasting sequelae were observed.

(S)

ZERNOV, A.I.; LISITSIN, M.S. [deceased]; POPOV, V.I., prokhodtsev, I.I.; RESHETOV, A.I.; RYZHKOV, S.V.; SITENKO, V.M.; CHISTOVICH, A.N.

Results in the treatment of cancer patients with semicarbazide and cadmium. Vop. onk. 9 no.6:114-116 '63. (MIRA 17:8)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova (nachal'nik - prof. P.P. Goncharov). Adres avtorov: Leningrad, K-9, ul. Lebedeva, 6, Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova.

ZERNOV, A. I.

USSR/General Problems of Pathology. Neoplasms. U

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37359.

Author : Chistovich, AN. Zernov, A.I.
Inst :
Title : Some Problems of Pathological Anatomy of Lung Cancer.

Orig Pub: Vopr. onkologii, 1957, 3, No 4, 399-404.

Abstract: No abstract.

Card : 1/1

ZERNOV, A.I.

Changes in the joints of rabbits following intra-articular administration of penicillin. Ortop., travm. i protez. 17 no.1:33-34 Ja-F '56. (MLRA 9:12)

1. Iz kafedry patologicheskoy anatomii (nach. - prof. A.N.Chistovich) Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.

(PENICILLIN, eff.
on joints in rabbits in intra-articular admin.)
(JOINTS
eff. of intra-articular admin. of penicillin in rabbits)

ZERNOV, A.I.

CHISTOVICH, A.N., prof.; ZERNOV, A.I.

Problems in the pathoanatomy of lung cancer. Vop.onk. 3 no.4: 399-404 '57. (MIRA 10:11)

1. Iz kafedry patologicheskoy anatomii (nach. - prof. A.N.Chistovich) Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova Adres avtorov: Leningrad, ul. Lebedeva, d.37-a. Voyenno-meditsinskaya akademiya ordena Lenina im. S.M.Kirova, kafedra patologicheskoy anatomii.

(LUNG NEOPLASMS, pathology,
(Rus))

ZERNOV, A.K.

Russian Soviet Federated Socialist Republic. Prom.koop. no.1:1-3 Ja '57. (MLRA 10:4)

1. Predsedatel' pravleniya Rospromsoveta.
(Cooperative societies)

ZERNOV, B.

Gumilevskiy, L.

A. M. Butlerov, and outstanding Russian chemist ("A. M. Butlerov." Reviewed by B. Zernov. Ed. L. Gumilevskiy). Zvezda No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, September 1952, Uncl.

USSR / Soil Science. Physical and Chemical Properties of Soils. J-2

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 72669

Author : Zernov, B.; Serditova, T.
Inst : Moscow Agricultural Academy Imeni K. A. Timiryazev
Title : Changes of the Water-Physical Properties of Turf-Podzolic Soil Depending on Changes and Shifts of Genetic Horizons

Orig Pub : Sb. stud. nauchno-issled. rabot. Mosk. s.-kh. akad. im. K. A. Timiryazeva, 1958, vyp. 8, 216-219

Abstract : No abstract given

Card 1/1

17

ZERNOV, B.L., inzhener.

Effective method of degumming ramie fiber. Tekst.prom 16 no.12:21-23 D'56. (MLRA 10:1)

(Ramie)

PRYANISHNIKOV, S.K., inzhener; ZERNOV, B.L., inzhener.

Results of testing pressure rollers with various coverings. Tekst.prom. 16 no.1:47 Ja '56. (MLRA 9:4)
(Spinning machinery--Testing)

ZERNOV, B.L.

FEYMAN, I.I., dotzent; ZERNOV, B.L.; ZERNOVA, Ye.I., inzhener

Hemp processing on flax-spinning machinery. Tekst.prom.15 no.7: 14-16 Jl'55. (MLRA 8:10)

1. KTI (for Feyman). 2. Zaveduyushchiy TSentral'no-nauchnoy issle - dovatel'skoy laboratorii Glavl'na (for Zernov). 3. Kostromskiy l'no-kombinat imeni Lenina (for Zernova)
(Hemp)

PRYANISHNIKOV, S.K., inzhener; ZERNOV, B.L., inzhener.

Mechanizing the process of preparing fiber for spinning. Tekst.prom. 15 no.3:42-43 Mr '55. (MLRA 8:4)
(Spinning machinery)

ZERNOV, B.L.

FEYMAN, I.I., dotsent; ZERNOV, B.L.; ZERNOVA, Ye.I., inzhener

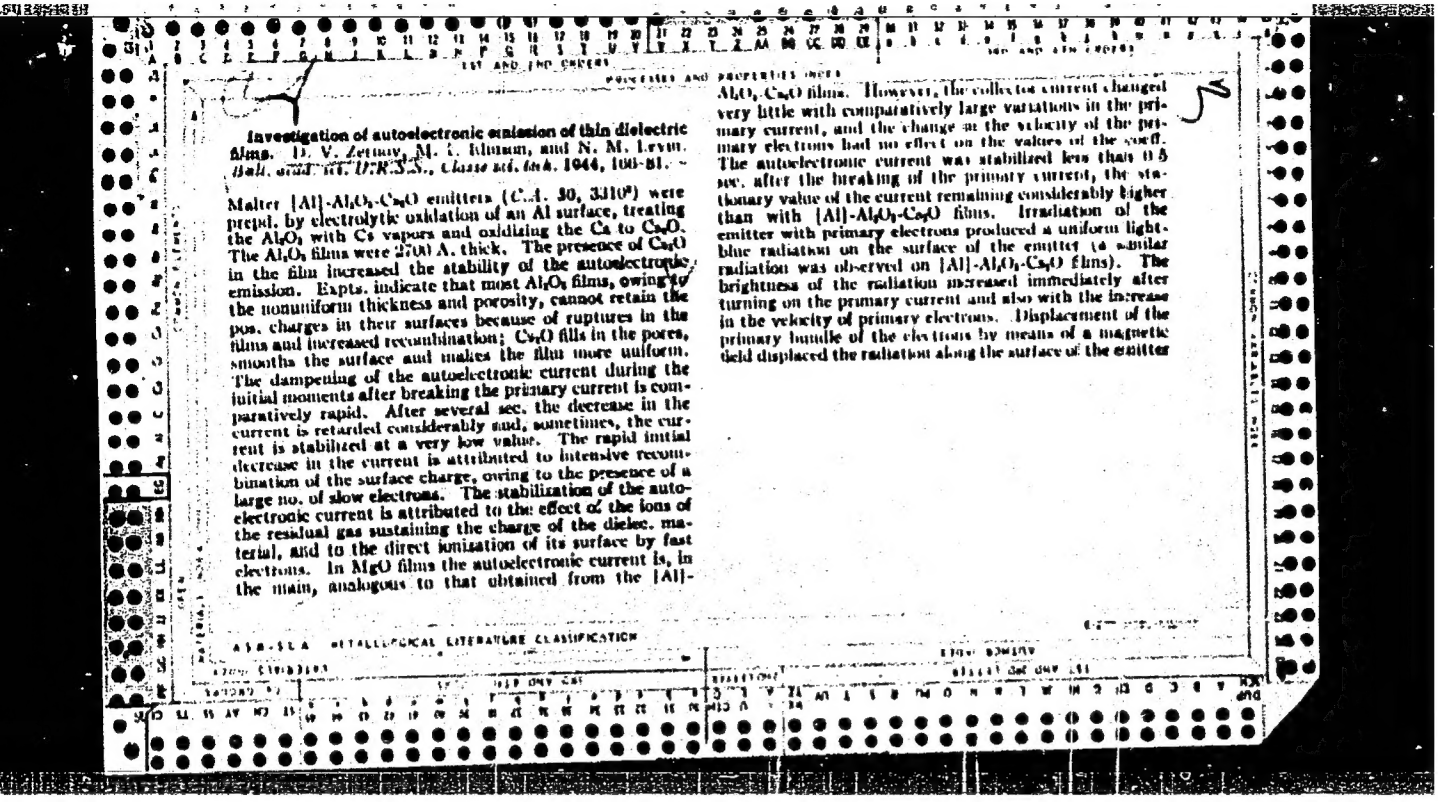
Hemp processing on flax-spinning machinery. Tekst.prom.15 no.7:14-16 Jl'55. (MLRA 8:11)

1. KTI (for Feyman) 2. Zaveduyushchiy TSentral'no-nauchnoy issledovatel'skoy laboratorii Glavl'na (for Zernov) 3. Kostromskiy l'no-kombinat imeni Lenina (for Zernova).
(Hemp)

GOKHSHTEYN, A., inzh.; ZERNOV, D., inzh.

Determining the permissible speeds of vessels in canals. Rech. transp. 24 no.8:41-43 '65. (MIRA 18:9)

1. TSentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta.



Investigation of autoelectronic emission of thin dielectric films. D. V. Zernov, M. I. Elinson, and N. M. Levin. *Bull. acad. sci. URSS., Classe sci. tech.* 1944, 103-81. —

Malter [Al]-Al_2O_3-Cs_2O emitters (*C.A.* 30, 3310[8]) were prepd. by electrolytic oxidation of an Al surface, treating the Al_2O_3 with Cs vapors and oxidizing the Cs to Cs_2O. The Al_2O_3 films were 2700 A. thick. The presence of Cs_2O in the film increased the stability of the autoelectronic emission. Expts. indicate that most Al_2O_3 films, owing to the nonuniform thickness and porosity, cannot retain the pos. charges in their surfaces because of ruptures in the films and increased recombination; Cs_2O fills in the pores, smooths the surface and makes the film more uniform. The dampening of the autoelectronic current during the initial moments after breaking the primary current is comparatively rapid. After several sec. the decrease in the current is retarded considerably and, sometimes, the current is stabilized at a very low value. The rapid initial decrease in the current is attributed to intensive recombination of the surface charge, owing to the presence of a large no. of slow electrons. The stabilization of the autoelectronic current is attributed to the effect of the ions of the residual gas sustaining the charge of the dielec. material, and to the direct ionization of its surface by fast electrons. In MgO films the autoelectronic current is, in the main, analogous to that obtained from the [Al]-Al_2O_3-Cs_2O films. However, the collector current changed very little with comparatively large variations in the primary current, and the change in the velocity of the primary electrons had no effect on the values of the coeff. The autoelectronic current was stabilized less than 0.5 sec. after the breaking of the primary current, the stationary value of the current remaining considerably higher than with [Al]-Al_2O_3-Cs_2O films. Irradiation of the emitter with primary electrons produced a uniform light-blue radiation on the surface of the emitter (a similar radiation was observed on [Al]-Al_2O_3-Cs_2O films). The brightness of the radiation increased immediately after turning on the primary current and also with the increase in the velocity of primary electrons. Displacement of the primary bundle of the electrons by means of a magnetic field displaced the radiation along the surface of the emitter

ZERNOV, D.V.

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Anomalous emission of nickel coated with a thin film. D. V. Zernov. *J. Tech. Phys.* (U. S. S. R.) 7, 1787–88 (1937); *Chem. Zentr.* 1938, I, 4587.—A preliminary report. In work with an electron-ray commutator under certain conditions during the bombardment of Ni electrodes which had become covered with a thin film (probably B_2O_3), a secondary stream or current was observed which persisted for a long time even after the collisions of the primary electrons had ceased. This phenomenon is analogous to the "anomalous secondary electron emission" observed by Malter (cf. *C. A.* 30, 3310[a]).
M. G. Moore

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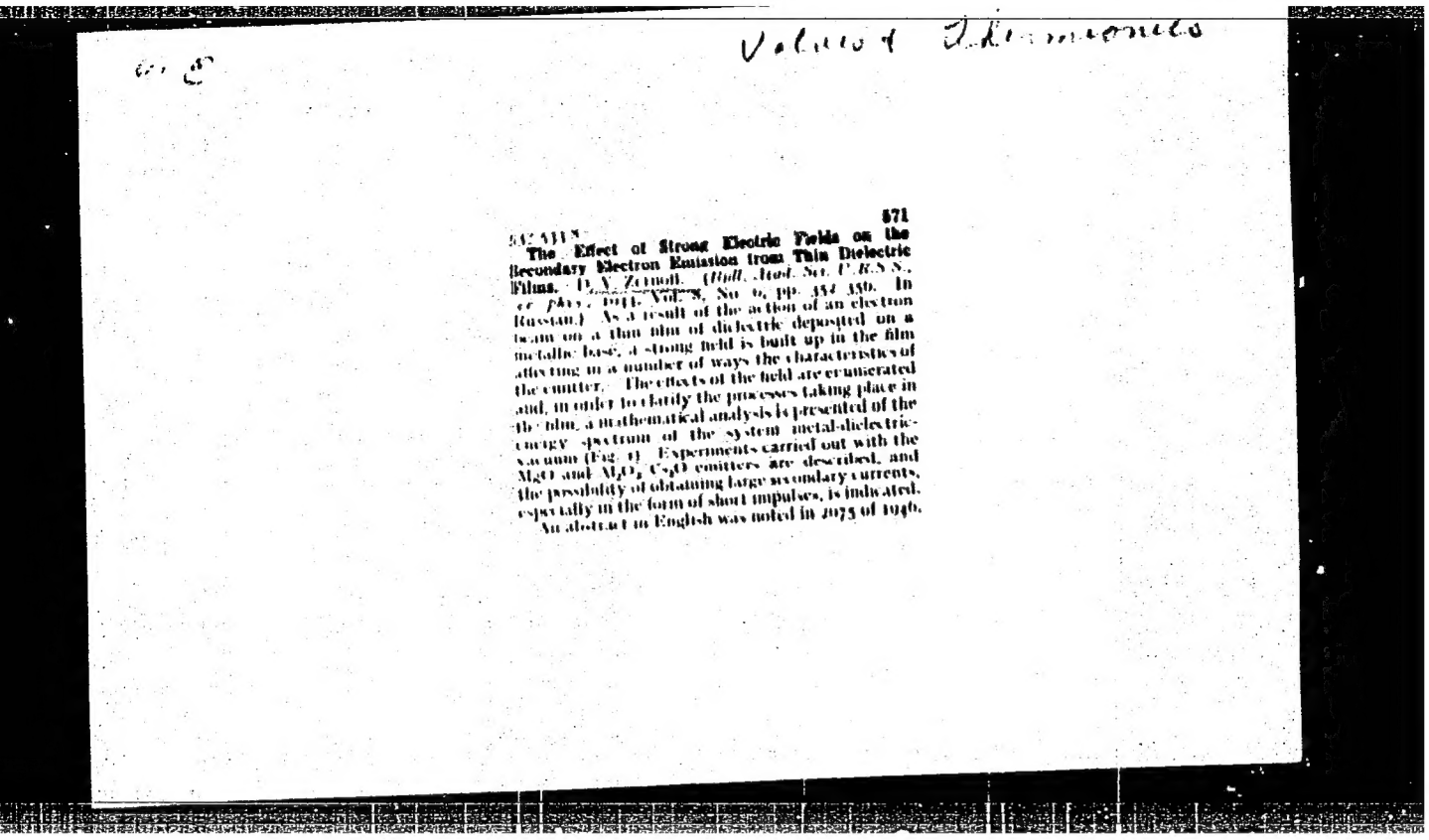
without any perceptible inertia, indicating that the radiation was caused by the excitation of the surface atoms by the primary electrons. Stationary radiating spots whose brightness was considerably greater than that of the radiation was also observed on the MgO films. The position of these spots remained unchanged after the displacement of the primary bundle along the surface of the emitter by means of a magnetic field. Their brightness increased with the increase in the autoelectronic current. These spots did not disappear after breaking the primary current. Rupture of the film resulted in the disappearance of all or of a part of the radiating spots. These spots differed both in their color of radiation and in their brightness from sparks which appeared on rupturing the film. The spots were distributed more or less at random along the surface of the emitter. They appeared also in that part of the emitter that was not irradiated directly by the primary bundle. The properties of these spots indicate that they represent the points at which the autoelectronic current appears. Eighteen references. W. R. Henn



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The Effect of Strong Electric Fields on the Secondary Electron Emission from Thin Dielectric Films. D. V. Zernoll. (*Bull. Acad. Sci. U.R.S.S., ser. phys.*, 1946, Vol. X, No. 6, pp. 454-459. In Russian.) As a result of the action of an electron beam on a thin film of dielectric deposited on a metallic base, a strong field is built up in the film affecting in a number of ways the characteristics of the emitter. The effects of the field are enumerated and, in order to clarify the processes taking place in the film, a mathematical analysis is presented of the energy spectrum of the system metal-dielectric-vacuum (Fig. 1). Experiments carried out with the MgO and Al_2O_3 Cs-O emitters are described, and the possibility of obtaining large secondary currents, especially in the form of short impulses, is indicated.

An abstract in English was noted in 3075 of 1946.